

**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**LISTING OF CLAIMS:**

1. – 10. (Canceled)

11. (Currently Amended) The method heat exchanger of claim 12\_30,  
wherein at least one wall comprises sheet copper with a thickness of from 0.3 to 0.8  
mm.

12. (Currently Amended) A heat exchanger process for forming a flow-  
through chamber for a heat transfer medium according to the method of claim 30,  
comprising:

~~two sheet copper walls having edges,~~

~~the walls having a plurality of approximately circular surface indentations  
between the edges,~~

~~the indentations being in contact and placed back-to-back to one another and  
defining connecting points,~~

~~the two sheet copper walls being positively engaged by annular denticulations  
compression molded on the connecting points,~~

~~wherein the denticulations having a spacing on all sides from an edge of the  
indentation and being are disposed with a mutual spacing between the denticulations  
of from 10 to 50 mm.~~

13. (Currently Amended) The method heat exchanger of claim 12-30,  
wherein the denticulations are disposed in at least one of rows and in a grid pattern.

14. - 21. (Canceled)

22. (Currently Amended) The method heat exchanger of claim 11, wherein  
the thickness is from 0.5 to 0.65 mm.

23. (Currently Amended) The process heat exchanger of claim 12, wherein  
the mutual spacing between denticulations is between 20 and 30 mm.

24. – 29. (Canceled)

30. (Previously Presented) A compression-molding sheet-metal joining  
method for producing a heat exchanger having a flow-through chamber for a heat  
transfer medium, comprising:

providing two sheet-copper walls;

shaping out indentations providing reinforcement by deformation of both  
sheet-copper walls;

disposing the two sheet-copper walls facing one another, the indentations in  
the sheet-copper walls being back-to-back to one another and in contact with each  
other, defining a plurality of connecting points; and

punctate fastening the two walls to one another at the connecting points by compression molding annular denticulations inside the indentations with spacing on all sides from an edge thereof, the annular denticulations forming a positive engagement of the two sheet-copper walls with each other.

31. (Canceled)